# (N)TMCGCWÖU12/20 (24kV) Cable - 25mm² to 630mm²



## Description

(N)TMCGCWÖU cable is Medium voltage, class 5 single core cable with added semiconductive material between each of the Core, the insulation and the earth conductor and surrounded with a rubber outer sheath. It is usually used for short-length connections of transformers and switchgear, as well as power cables on mining equipment and alongside conveyor belts.

(N)TMCGCWÖU comes in 8 different power ranges. from 3.6/6kV to 26/45kV

## Key Features

**Voltage Rating**
12/20 (24)kV

**Minimum Bending Radius**
Fixed: 6 x overall diameter

**Flame Retardancy**
IEC/EN 60332-1-2

**Temperature Limits**
Fixed: -40°C to +80°C
Flexing: -25°C to +80°C
Maximum Short Circuit Temperature: +200°C

## Standards

- Ozone resistant: BS EN/IEC 60811-403
- BS EN/IEC 60811-404
- UV Resistant: ISO 4892-2
- VDE 0295
- VDE 0250 PT812
- BS EN/IEC 60332-1-2
- IEC 60228

## Construction

- **Conductor**: Class 5 tinned copper
- **Conductor Screen**: Semi-Conductive material
- **Insulation**: Quality Rubber Compound, according to VDE 0207 Part 20
- **Insulation Screen**: Inner and outer semi-conductive rubber layer
- **Concentric Conductor**: Copper wires with helical equalising copper tape
- **Outer Sheath**: Quality rubber compound, according to VDE 0207 part 21
- **Sheath Colour**: Red

## Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

**Cleveland Cable Test & Training Lab**
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

**CPR**
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

## Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

CLEVELAND CABLE COMPANY

**ecovadis**
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

## (N)TMCGCWÖU12/20 (24kV) Cable - 25mm² to 630mm² - Dimensions

| Reference | Conductor Size (mm2) | Nominal Conductor Diameter | CWS(mm) | Max Overall Dia | Minimum Bending Radius | Weight(Kg/Km) |
|---|---|---|---|---|---|---|
| 24KV(N)TMCGCWÖU 1X25 | 25 | 6.8 | RM/16 | 24.3 | 146 | 870 |
| 24KV(N)TMCGCWÖU 1X35 | 35 | 7.8 | RM/16 | 25.0 | 139 | 970 |
| 24KV(N)TMCGCWÖU 1X50 | 50 | 9.4 | RM/16 | 27.3 | 153 | 1200 |
| 24KV(N)TMCGCWÖU 1X70 | 70 | 11.2 | RM/16 | 29.2 | 163.2 | 1440 |
| 24KV(N)TMCGCWÖU 1X95 | 95 | 12.7 | RM/16 | 30.8 | 173 | 1690 |
| 24KV(N)TMCGCWÖU 1X120 | 120 | 14.4 | RM/16 | 33.6 | 190 | 2060 |
| 24KV(N)TMCGCWÖU 1X150 | 150 | 16.3 | RM/25 | 36.0 | 216 | 2510 |
| 24KV(N)TMCGCWÖU 1X185 | 185 | 17.6 | RM/25 | 37.0 | 222 | 2810 |
| 24KV(N)TMCGCWÖU 1X240 | 240 | 20.6 | RM/25 | 41.0 | 246 | 3540 |
| 24KV(N)TMCGCWÖU 1X300 | 300 | 22.7 | RM/25 | 42.4 | 255 | 3960 |
| 24KV(N)TMCGCWÖU 1X400 | 400 | 25.2 | RM/35 | 45.1 | 271 | 4890 |
| 24KV(N)TMCGCWÖU 1X500 | 500 | 29.5 | RM/35 | 50.4 | 303 | 6330 |
| 24KV(N)TMCGCWÖU 1X630 | 630 | 34.0 | RM/35 | 55.9 | 336 | 8170 |

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